

NASA shuttle integration team accepts delivery of space station element

During a recent ceremonial key exchange at Kennedy Space Center, the P6 Truss segment was transferred from the International Space Station ground operations to the NASA shuttle integration team.

In addition to the Boeing and NASA employees who participated in the ceremony, the STS-97 astronaut crew

that includes Commander Brent Jett, Pilot Mike Bloomfield and Mission Specialists Carlos Noriega, Joe Tanner and Marc Garneau was on hand to thank employees for their hard work.

The P6, which is the backbone of the U.S. electric power system for the ISS, will be delivered by Space

Shuttle *Endeavour* during STS-97, station mission 4A. The segment consists of a long spacer structure and an Integrated Equipment Assembly that will carry two 115-foot solar arrays, radiators and other equipment to receive, condition, store, distribute and control electric power. ■



Workers in the Space Station Processing Facility gather with the crew of mission STS-97, who are holding the symbolic key representing the turnover of the P6 Integrated Truss Structure, part of the payload on their mission. Commander Brent Jett (second from right, in flight uniform) received the key in the ceremony. Standing with him are (left to right) Mission Specialists Marc Garneau, Joe Tanner and Carlos Noriega, at left; and Pilot Mike Bloomfield, at right. At present time STS-97 was scheduled for launch November 30 at 10:05 p.m. EST. Inset: from left, 4A Commander Brent Jett, Bill Dowdell, 3A/4A mission manager for NASA, accept the ceremonial key for P6 from Mark Sorensen, 3A/4A outboard truss cargo element manager for Boeing; and John Elbon, Boeing ISS director of ground operations at KSC.

Tree planting memorializes Astronaut Conrad

Family, friends and space program employees, past and present, assembled at JSC November 9 to commemorate the life of Astronaut Charles (Pete) Conrad and forever memorialize his role at NASA's Center for Human Space Flight.

Nancy Conrad, Pete Conrad's widow, planted a Live Oak tree in his name at JSC. Conrad's sons – Pete, Andy and Tom – also were in attendance for the event. Fellow Astronauts Alan Bean, Paul J. Wietz, Buzz Aldrin and Charlie Precourt addressed the audience and spoke of their fellow space explorer.

A T-38 flyover concluded the public ceremony. Afterwards, the family was given a formal tour of JSC.

Conrad was a veteran of four space flights and set several records at that time, including space endurance and world altitude records. As commander of the second lunar landing mission, Apollo XII, Conrad became the third person to walk on the Moon. He is also noted for his role as commander of the nation's first space station, Skylab.

Conrad died July 8, 1999, at age 69. ■



At left, Andy and Pete Conrad, sons of Astronaut Charles Conrad, assist Nancy Conrad as she plants a ceremonial Live Oak tree on the JSC campus to memorialize the life and contributions of her late husband. Partially obscured by tree is Tom Conrad, another son.

NASA JSC Photo 2000-07164 by Robert Markowitz

Volunteers needed for resistive exercise study

The Human Test Subject Facility is recruiting nonsmoking males between the ages of 25 and 40 to participate in an 18-week training study. This study will be used to evaluate the effectiveness of a new resistance exercise machine that is planned for use on the International Space Station.

Test subjects will be given a Class III physical in Bldg. 37 in the HTSF and must also pass a Bruce treadmill test. Subjects should be active and have no history of back pain, muscle weakness, hernias or high blood pressure. Subjects must not have been involved in any weight lifting programs for the previous six months.

Investigators will begin collecting pretest data before the holidays. The study will run from January through April. Test subjects must be able to commit to an 18-week study, a portion of which will involve a period of training three times a week for 16 weeks. Volunteers may be compensated for participation, though restrictions apply to NASA and NASA contractor personnel.

Those interested in participating may call the HTSF at 483-7240 or 483-7284. ■